Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Heath	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-04	4.009	The system shall be able to input, modify, inactivate, delete, update, display, and print medication history received electronically.	Medication history examples include: Medication prescription history.	M	E	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	P	P	C	E	E	E
F-11	11.001	The system shall be able to input, modify, inactivate, delete, update, display, and print information for prescription or other medication orders which meet State Board of Pharmacy requirements for correct filling and administration by a pharmacy.	Implies an ordering sub-system with all necessary data to complete an order, and other functionality such as pending orders, etc. The term pharmacy here refers to all entities which fill prescriptions and dispense medications including but not limited to retail pharmacies, specialty, and mail order pharmacies. See Clinical 4.003 and Practice Management 4.006.	M	3	M	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	P	3	C	3	E	E
F-11	11.002	The system shall be able to record user and date stamp for prescription related events.	Examples of prescription related events include: Initial creation, renewal, refills, discontinuation, and cancellation of a prescription.	P	E	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	E			E	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned; 3 = 3rd Party;
M = with Modification; NA = Not Addressed;
C = Custom; <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-11	11.004	The system shall allow authorized individuals to sign and cosign medication orders.	The words, "sign," "signature," "cosign," and "co signature" are intended here to convey actions, rather than referring to digital signature standards. It is recognized that an electronic signature is useful here. However, a widely accepted standard for electronic signatures does not exist. Thus, the criterion calls for documenting the actions of authenticated users at a minimum. In the future, when appropriate digital signature standards are available, certification criteria shall be introduced using such standards.	P	E	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	E		E	3	E	E
F-11	11.007	The system shall be able to maintain a coded list of medications and correlate the medications to NDC numbers.	For clarification - Coding means a unique identifier for each medication.	M	P	M	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	E		C	E	E	E
F-11	11.009	The system shall be able to check for daily dose outside of recommended range for client age (e.g., off-label dosing).	Year to be determined once e-prescribing sig requirements have been defined.	P	3	P	E	E	E	E	NA	NA	NA	E	E	E	P	M	E	M	C		NA	3	E	E
F-11	11.01	The system shall be able to check for dose ranges based on client age and weight.		P	3	P	E	E	E	E	NA	NA	NA	E	E	NA	P	M	P	P	C		C	3	E	E
F-11	11.011	The system shall be able to select a drug by therapeutic class.	As available through 3rd-party drug databases.	P	3	P	E	E	E	E	NA	NA	NA	E	E	M	E	E	E	E	P		NA	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-11	11.012	The system shall be able to electronically verify client prescription eligibility and receive, display, store and update information received accordingly.	Will be required by e-prescribing. This criterion shall maintain a record of whether the client was eligible for coverage in the system.	M	3	E	P	E	E	E	NA	P	NA	E	E	M	E	E	P	M	P		C	3	E	E
F-11	11.013	The system shall be able to input, modify, inactivate, delete, update, display, and print information received through review of health plan/payer formulary.	If this review included medications already on the medication list, a duplicate record in the medication shall not be created (same date, medication, strength, and prescriber). Formulary checking refers to whether a particular drug is covered.-	M	3	E	P	E	E	E	NA	NA	NA	E	E	P	E	E	P	M	P		NA	3	E	E
F-11	11.014	The system shall be able to reorder a prior prescription without re-entering previous data (e.g. administration schedule, quantity).		P	3	E	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	E		C	3	E	E
F-11	11.015	The system shall be able to print and electronically fax prescriptions.	Appropriate audits and security shall be in place.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	M	E	E	E	3	E	E
F-11	11.016	The system shall be able to re-print and re-fax prescriptions.	This allows a prescription that did not come out of the printer, or a fax that did not go through, to be resent/reprinted without entering another prescription. Appropriate audits and security shall be in place.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	M	E	E	C	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Heath	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-11	11.017	The system shall be able to send prescriptions electronically, including ability to document source of prescription order (e.g., "phone in" orders).	Prescription information includes: Structured and coded Sig. instructions. This implies: Pharmacy is capable of receiving electronic prescriptions (e-prescribing and not faxing); There is formulary compliance capability (e.g., RXHub); System is able to receive prescription update information from pharmacy (e.g., prescription filled); Etc.	P	3	E	E	E	E	E	NA	3	NA	E	E	E	E	E	E	E	P		C	3	E	E
F-11	11.018	The system shall be able to display a dose calculator for client-specific dosing based on weight and age.	This allows the user to enter pertinent information to calculate doses. This would be an interim step until databases are available to calculate doses automatically.	M	NA	P	E	E	E	P	NA	NA	NA	E	E	NA	M	P	P	M	C		NA	3	E	E
F-11	11.019	The system shall be able to display client specific dosing recommendations based on age and weight.	This would calculate automatically from pertinent information in the chart (age and weight) and shall be in standard units and based on a standard periodicity. This is contingent upon availability of databases. We encourage their rapid development.	M	NA	P	E	E	E	P	NA	NA	NA	E	E	NA	M	M	P	M	C		NA	3	E	E
F-11	11.02	The system shall be able to display client specific dosing recommendations based on renal function.	On roadmap for 2010	M	NA	P	E	M	E	P	NA	NA	NA	E	E	NA	M	M	M	M	C		NA	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;
M = with Modification;
C = Custom;
3 = 3rd Party;
NA = Not Addressed;
<blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-11	11.021	The system shall have the ability to receive and display information about the client's financial responsibility for the prescription.	This could include co-payments or tier level of the drug obtained through an interface with a pharmacy benefits manager (PBM).	M	3	NA	P	E	E	E	NA	NA	NA	E	E	NA	E	E	M	M	C		E	3	E	E
F-11	11.022	The system shall be able to identify any medication dispensed (including samples), documenting lot number and expiration date.	Lot numbers and expiration date could be entered in free text or encoded.	P	3	M	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	M	C		C	M	E	E
F-11	11.023	The system shall be able to prescribe fractional amounts of medication (e.g. 1/2 tsp, 1/2 tablet).	Very important to prescribing for pediatric and geriatric clients.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	C		C	3	E	E
F-11	11.024	The system shall be able to prescribe non-NDC coded medications.		P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	C		C	E	E	E
F-11	11.028	System shall be able to allow the user to configure prescriptions to incorporate fixed text according to the user's specifications and to customize the printed output of the prescription.	This refers to the "written" output and language on the prescription such as specific language, dispense as written. For instance, users shall be able to modify the format/content of printed prescriptions to comply with state Board of Pharmacy requirements.	M	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	M	C		C	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-11	11.029	The system shall be able to associate a diagnosis with a prescription.		M	3	P	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	M	C		C	3	E	E
F-11	11.03	The system shall be able to display the associated problem or diagnosis (indication) on the printed prescription.	At least one diagnosis shall be able to be displayed but the ability to display more than one is desirable. Associated problem or diagnosis can be non-structured data or structured data.	M	M	P	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	M	C		C	3	E	E
F-11	11.031	The system shall provide links to general prescribing information at the point of prescribing.	Example: Physician Desk Reference (PDR)	P	NA	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	M	E	3		NA	E	E	E
F-11	11.032	The system shall be able to create user-defined specific medication lists of the most commonly prescribed drugs with a default dose, frequency, and quantity.	"User-defined" refers to medical staff and support staff that utilizes the lists.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	P	E		C	3	E	E
F-11	11.033	The system shall be able to add reminders for necessary follow up tests based on medication prescribed.	This does not imply that this shall be an automated process.	P	M	E	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	M	M	C		E	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Heath	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-12	12.001	The system shall be able to input, modify, inactivate, delete, update, display, and print order information for diagnostic tests, including labs and imaging studies.	Examples of orders information include: Client identifiers; Ordering provider; Order type (e.g., diagnostic test, lab work, imaging studies, etc.); One or more associated problems or diagnoses; Order status (e.g., complete, incomplete, etc.); Etc. Implies an ordering sub-system with all necessary data to complete an order, and other functionality such as pending orders, etc. It is desirable that all information for medical necessity checking be captured. This includes physicians and authorized non-physicians. See Practice Management 43.006.	M	E	NA	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	C		C	P	E	E
F-12	12.002	The system shall be able to associate a problem or diagnosis with the order.	May associate more than one problem or diagnosis with the order.	M	E	NA	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	C		C	P	E	E

A Comparison of Detailed Vendor Responses to the
Department of Mental Health CA BH-EHR Functional Requirements Survey

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;
M = with Modification;
C = Custom;
3 = 3rd Party;
NA = Not Addressed;
<blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-12	12.004	The system shall be able to capture applicable signatures and co-signatures for all test orders.	The words, "sign," "signature," "cosign," and "cosignature" are intended here to convey actions, rather than referring to digital signature standards. It is recognized that an electronic signature is useful here. However, a widely accepted standard for electronic signatures does not exist. Thus, the criterion calls for documenting the actions of authenticated users at a minimum. In the future, when appropriate digital signature standards are available, certification criteria shall be introduced using such standards.	E	E	E	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	M	E		E	P	E	E
F-12	12.006	The system shall be able to display user created instructions and/or prompts when ordering diagnostic tests or procedures.	Refers to diagnostic test or procedure specific instructions and/or prompts; not client specific instructions and/or prompts. Instructions and/or prompts may be created by the system administrator. A 3rd party product may be used, providing that the instructions and/or prompts appear at the point of care.	M	E	NA	E	E	E	E	NA	NA	NA	E	E	E	P	E	E	E	C		C	P	E	E
F-12	12.007	The system shall be able to transmit orders for a diagnostic test to the correct internal or external destination for completion.	Mechanisms for relaying orders may include providing a view of the order, sending it electronically, or printing a copy of the order or order requisition.	M	P	NA	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	C		E	P	E	E
F-12	12.009	The system shall be able to display or print orders by like or comparable type, e.g., all radiology or all lab orders.	May include filters or sorts.	M	P	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	C		C	P	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-12	12.012	The system shall be able to validate lab work order information.	Examples of validation include: Medical Necessity exists; Test order compliant with business rules; Etc.	M	P	NA	E	E	E	E	NA	NA	NA	E	E	E	M	E	M	E	C		C	M	E	E
F-13	13.001	The system shall be able to input, modify, inactivate, delete, update, display, and print a set of related orders to be subsequently ordered as a group on multiple occasions.	Examples of order sets include: Medications; Laboratory tests; Imaging studies; Procedures; Referrals; Etc. Does not imply that the system needs the ability to create an order set on the fly.	M	P	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	P	C		C	M	E	E
F-13	13.004	The system shall be able to display orders placed through an order set either individually or as a group.	Need to be able to see the individual components of the order set, rather than just the name of the order set. Does not mean to break down a lab panel into individual components.	M	P	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	C		C	M	E	E
F-13	13.005	The system shall allow individual items in an order set to be selected or deselected.		M	P	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	P	C		C	M	E	E
F-14	14.004	The system shall be able to notify the relevant providers (ordering, copy to) that new results have been received electronically.	Examples of notifying the provider include but are not limited to a reference to the new result in a provider "to do" list or inbox.	M	M	NA	E	E	E	E	NA	NA	NA	E	E	M	E	E	E	E	C		C	M	E	E
F-14	14.011	The system shall allow user acknowledgment of a result presentation.	This is separate from audit trail.	M	M	NA	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	C		C	M	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned; 3 = 3rd Party;
M = with Modification; NA = Not Addressed;
C = Custom; <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-14	14.02	The system shall be able to input, modify, inactivate, delete, update, display, and print clinical results received through an interface with an external source.	Implies meeting standards for client confidentiality (e.g., HIPAA) and electronic transfer protocols (e.g., HL7 based). In addition to lab and radiology reports, this might include interfaces with case/disease management programs and others. See Clinical 14.001and 14.003	M	P	NA	E	E	E	E	NA	P	NA	E	E	E	E	E	E	E	C		E	M	E	E
F-14	14.021	The system shall be able to input, modify, inactivate, delete, update, display, and print discrete lab results received through an electronic interface.	Implies meeting standards for client confidentiality (e.g., HIPAA) and electronic transfer protocols (e.g., HL7 based). This may be an external source such as a commercial lab or through an interface with on site lab equipment. See Clinical 14.001and 14.003	M	P	NA	E	E	E	E	NA	P	NA	E	E	E	E	E	E	E	C		E	M	E	E

Page 10 of 14

A Comparison of Detailed Vendor Responses to the
Department of Mental Health CA BH-EHR Functional Requirements Survey

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Heath	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-18	18.001	The system shall be able to trigger drug interaction alerts.	Examples of alert reasons include: Known potential Interactions between medications to be prescribed and (current medications, allergies, client's condition as indicated by test results, past ineffectiveness of medication for client, certain types of diseases, client problem documentation, etc.); Potential interactions with current medication when new client documentation entered (e.g., client problem; client dietary information); Age (This could be based on user defined medication lists or on standard lists such as the Beers lists.); As a precautionary alert that drug interaction, allergy, and formulary checking will not be performed against the uncoded or free text medication; Drug information is outdated; Etc. Implies timely alerts to users, healthcare service providers, clients; Etc. Drug interaction alerts may be due to automated third party software database references; Alerts may be prioritized in system. Alerts reduces risk of inappropriate prescribing, prevents pharmacy call backs, and can reduce malpractice liability.	P	3	E	E	E	E	E	NA	E	NA	E	E	3	E	E	E	E	C		NA	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-18	18.003	The system shall be able to prescribe a medication despite alerts for interactions and/or allergies being present.	See Clinical 21.006, 22.007, Practice Management 43.009, 43.010, and 43.012.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	E		C	3	E	E
F-18	18.004	The system shall be able to input, modify, inactivate, delete, update, display, and print the severity level at which drug interaction warnings shall be displayed.		M	3	E	E	E	E	E	NA	NA	NA	E	E	E	E	E	E	E	C		NA	3	E	E
F-18	18.006	The system shall be able to require documentation of at least one reason for overriding any drug-drug or drug-allergy interaction warning triggered at the time of medication ordering.	Necessary for medico-legal purposes. See Clinical 21.006, 22.007, Practice Management 43.009, 43.010, and 43.012.	P	NA	E	E	E	E	P	NA	NA	NA	E	E	E	E	E	P	E	E	C	C	3	E	P
F-18	18.007	The system shall trigger proactive alerts, for clients on a given medication when they are due for required laboratory or other diagnostic studies, to monitor for therapeutic or adverse effects of the medication.	Limited to availability of databases. See Practice Management 43.009, 43.010, and 43.012.	M	NA	M	E	E	E	E	NA	P	NA	E	E	M	M	E	E	M	C		C	M	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Heath	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-18	18.01	The system shall display, on demand, potential interactions on a client's medication list, even if a medication is not being prescribed at the time.		P	NA	M	E	E	E	E	NA	NA	NA	E	E	M	E	E	E	M	3		NA	3	E	E
F-18	18.013	The system shall be able to input, modify, inactivate, delete, update, display, and print the rationale for triggering a drug interaction alert.	Drug reference information typically provided by drug database vendors is an example of the source to obtain the rationale. See Clinical 21.001, 22.001, Practice Management 43.009, 43.010, and 43.012.	P	3	M	E	E	E	E	NA	E	NA	E	E	M	E	E	E	E	C		NA	3	E	E
F-18	18.016	The system shall support accessibility of drug specific education materials from third party databases.		P	NA	M	E	E	E	E	NA	NA	NA	E	E	3	E	E	P	E	3		C	E	E	E
F-18	18.019	The system shall be able to update drug interaction databases.	This includes updating or replacing the database with a current version.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	E	3	NA	3	E	E
F-18	18.022	The system shall provide the ability to check for potential interactions between a current medication and a newly entered allergy.		P	NA	P	E	E	E	E	NA	P	NA	E	E	M	P	E	E	M	3		NA	3	E	E

Computerize Provider Order Entry (CPOE) – 54 Requirements:

Includes internal and external laboratory, pharmacy and/or radiology ordering and history display. These requirements address optimizing physician ordering of medications, laboratory tests with interactive decision support systems. Integration with other hospital information technology systems including electronic patient records, pharmacy, laboratory, and other services provides the prescriber with all information necessary to develop and transmit in an effective, error-free order.

E = Exisiting;
P = Planned;   3 = 3rd Party;
M = with Modification;   NA = Not Addressed;
C = Custom;   <blank> = No Response

Req. Ctgy.	Req. Nbr.	Requirements Description	DMH Comments	Anasazi Software	Askesis Dev Group	Benchmark Sys	Cerner Corp	Defran Sys	Duke BH Informatics	Eclipsys Practice Solutions	eWebHealth	ICANotes	InterComponentWare	Libera	McKesson	Netsmart NY	NextStep	Noteworthy Medical Sys	OCHIN	Orion Health	PCE Systems	Platton Technologies	Raintree Sys	The Echo Group	UNI/Care Sys	Universal
F-25	25.001	The system shall be able to input, modify, inactivate, delete, update, display, print, transmit and receive electronic information between prescribers and pharmacies or other intended recipients of the medication order.	Examples of electronic information include: Initial medication order; Medication order renewals; Renewal requests and Notification of prior authorizations from or on behalf of any dispensing entity; Medication order cancellations; Etc. Until electronic standards are established, FAX is a suitable means of transmission.	P	3	E	E	E	E	E	NA	E	NA	E	E	E	E	E	E	E	M	P		E	3	E	E
I-02	2.004	The system shall be able to order radiology tests.		M	E	M	E	E	E	E	NA	E		E	E	E	E	E	E	E	C		C	P	E	E
I-02	2.005	The system shall be able to order and schedule radiology tests.		M	E	M	E	E	E	E	NA	E		E	E	E	E	E	E	E	C		C	M	E	E